

9-Range Analog Battery Tester

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack 9-Range Analog Battery Tester is a sensitive, accurate tester for checking batteries' capacity. You can test standard carbon-zinc, alkaline, mercury, silver oxide, lithium, and nickel-cadmium batteries.

Note: Your tester is designed to check almost all electronic and flashlight batteries. It is not designed to test 6- and 12-volt lantern, motorcycle, or marine batteries.

SETTING UP THE STAND

You can use the stand on the tester's back to set the tester at an angle so you can easily see the reading.

1. Insert a coin into the indentation in the bottom of the tester's back, then lift the stand away from the tester.
2. Set the tester on a flat surface.

REMOVING THE TEST LEADS

The test leads are coiled inside the cabinet on the back of the tester, covered by the stand.

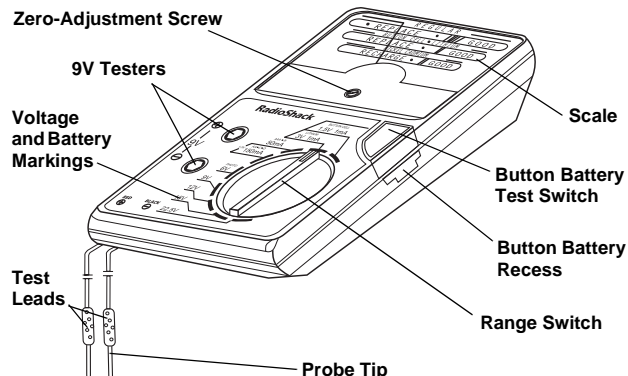
1. Carefully pull the test leads out.
2. Thread the leads through the small slot at the bottom right of the tester back.
3. When you are finished with the leads, coil them back into the cabinet and snap the stand into place.

SWITCH SETTINGS

Use this chart to determine which switch setting you need.

Battery Type	Switch Setting	Test Load
Mercury, silver-oxide or alkaline button cell	1.5V BUTTON CELL	1 mA
Lithium button cell	3V LITHIUM	1 mA
1.5V AAA/N Alkaline or Rechargeable Batteries	1.5V AAA.N	50mA
1.5V AA/C/D Alkaline or Rechargeable Batteries	1.5V AA.C.D	150mA
6V	6V PHOTO	10 mA
9V	9V	10 mA
12V	12V	10 mA
15V	15V	10 mA
22.5V	22.5V	10 mA

USING THE BATTERY TESTER



1. Point the range switch's recessed index mark to the marked voltage and type of battery you want to check. Refer to the chart under "Switch Settings" for the test load placed on the battery during testing.

Cautions:

- If you position the switch improperly, you cannot obtain an accurate battery check. In addition, you might damage the tester.
 - Always properly identify battery polarity (+ and -) before testing.
2. To check most types of batteries, touch the red probe tip to the positive (+) battery terminal and the black probe tip to the negative (-) battery terminal.

Caution: To avoid damage to the battery you are testing, do not push the button battery test switch down when using the probe tips.

To check a 9V rectangular battery, position the battery terminals so they make contact with the 9V positive (+) and negative (-) posts on the face of the battery tester.

Caution: Do not let the red probe tip contact the black probe or negative post when you use the 9V rectangular battery terminals.

To check a button cell battery, insert the battery into the button battery recess with the negative (-) terminal of the battery facing up. Then press the button battery test switch down.

Caution: Do not let the red probe tip contact the black probe or negative post when you use the button cell battery terminals.

3. Read the scale to determine the battery's condition.

Use the upper (**REGULAR**) scale for measuring regular carbon-zinc and alkaline batteries.

Use the center (**BUTTON CELL-LITHIUM**) scale for measuring mercury, silver oxide, alkaline, and lithium button cell batteries.

Use the lower (**NICKEL CADMIUM**) scale for measuring rechargeable batteries.

4. If the reading is in the red **REPLACE** or **RECHARGE** zones, replace or recharge the battery.

If the reading is in the green **GOOD** zone, the battery has considerable capacity left.

If the reading is on the three red lines in the **REGULAR** scale, the battery's strength is marginal. Consider replacing or recharging the battery.

Note: When a fresh alkaline AAA, AA or 9V battery is tested, the scale's needle moves a little more to the right than when a fully charged AAA, AA or 9V rechargeable battery is tested.

ADJUSTMENT

When no battery is tested, if the needle fails to align with the black dot in the upper left corner, you must adjust the zero position of the needle.

Insert a flat-blade screwdriver in the zero-adjustment screw, then slowly rotate the screw until the needle aligns with the black dot at the left end of the top scale.

CARE

Keep the tester dry; if it gets wet, wipe it dry immediately. Use and store the tester only in normal temperature environments. Handle the tester carefully; do not drop it. Keep the tester away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the tester's internal components can cause a malfunction and might invalidate its warranty. If your tester is not performing as it should, take it to your local RadioShack store for assistance.

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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